

FORM PTO-1390 (Modified)  
(REV 10-95)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

**2003JP317**

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

**10/534551**

INTERNATIONAL APPLICATION NO.  
**PCT/JP2003/014507**

INTERNATIONAL FILING DATE  
**November 14, 2003**

PRIORITY DATE CLAIMED  
**November 27, 2002**

TITLE OF INVENTION

**METHOD OF PATTERN FORMATION USING ULTRAHIGH HEAT RESISTANT  
POSITIVE PHOTSENSITIVE COMPOSITION**

APPLICANT(S) FOR DO/EO/US

**Akihiko IGAWA, Atsuko YAMAMOTO**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☒ A copy of the International Search Report (PCT/ISA/210).
8. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
9. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
10. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

**Items 13 to 18 below concern document(s) or information included:**

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.  
A **SECOND** or **SUBSEQUENT** preliminary amendment.
16. ☐ A substitute specification.
17. ☐ A change of power of attorney and/or address letter.
18. ☒ Certificate of Mailing by Express Mail
19. ☒ Other items or information:

**Form PCT/IB/301  
Form PCT/IB/304  
Form PCT/IB/306  
Form PCT/IB/308  
WO 2004/049067 A1**

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.53) <b>10/534551</b> To Be Assigned	INTERNATIONAL APPLICATION NO. <b>PCT/JP2003/014507</b>	ATTORNEY'S DOCKET NUMBER <b>2003JP317</b>
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20. The following fees are submitted..

**BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5) ) :**

- |  |                 |
|--|-----------------|
| <input type="checkbox"/> Search Report has been prepared by the EPO or JPO .....   | <b>\$840.00</b> |
| <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) .....  | <b>\$670.00</b> |
| <input type="checkbox"/> No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... | <b>\$760.00</b> |
| <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO .....          | <b>\$970.00</b> |
| <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) .....       | <b>\$96.00</b>  |

**ENTER APPROPRIATE BASIC FEE AMOUNT =****\$1,000.00**
 Surcharge of **\$130.00** for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).
**\$0.00**

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	15 - 20 =	0	x \$18.00
Independent claims	2 - 3 =	0	x \$78.00

**\$0.00****\$0.00**Multiple Dependent Claims (check if applicable). ☐**\$0.00****TOTAL OF ABOVE CALCULATIONS =****\$1,000.00**Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable). ☐**\$0.00****SUBTOTAL =****\$1,000.00**Processing fee of **\$130.00** for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).**\$0.00****TOTAL NATIONAL FEE =****\$1,000.00**Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). ☐**\$0.00****TOTAL FEES ENCLOSED =****\$1,000.00**

Amount to be:

refunded

\$

charged

\$

- ☐ A check in the amount of \_\_\_\_\_ to cover the above fees is enclosed.
- ☒ Please charge my Deposit Account No. **50-3309** in the amount of **\$1,000.00** to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. **50-3309** A duplicate copy of this sheet is enclosed.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

**ALAN P. KASS**  
**AZ ELECTRONIC MATERIALS USA CORP.**  
**70 MEISTER AVENUE**  
**SOMERVILLE, NJ 08876**

Customer No. 26,289

SIGNATURE

**ALAN P. KASS**

NAME

**32,142**

REGISTRATION NUMBER

**MAY 10, 2005**

DATE

## CERTIFICATE OF MAIL BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Akihiko IGAWA, Atsuko YAMAMOTO

Docket No.

2002JP317

Serial No.

Filing Date

Examiner

Group Art Unit

To Be Assigned

May 10, 2005

To Be Assigned

To Be Assigned

107534551

Invention: METHOD OF PATTERN FORMATION USING ULTRAHIGH HEAT RESISTANT  
POSITIVE PHOTSENSITIVE COMPOSITION

I hereby certify that this WO 2004/049067 A1 - 2 Pages

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C.

20231-0001 on May 10, 2005

(Date)

MARIA T. SANCHEZ


(Typed or Printed Name of Person Mailing Correspondence)


  
(Signature of Person Mailing Correspondence)

EV 540353486 US

("Express Mail" Mailing Label Number)

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<b>CERTIFICATE OF MAIL BY "EXPRESS MAIL" (37 CFR 1.10)</b> Applicant(s): Akihiko IGAWA, Atsuko YAMAMOTO		Docket No. 2002JP317	
Serial No. <b>10/534551</b> <small>To Be Assigned</small>	Filing Date May 10, 2005	Examiner To Be Assigned	Group Art Unit To Be Assigned
Invention: <b>METHOD OF PATTERN FORMATION USING ULTRAHIGH HEAT RESISTANT POSITIVE PHOTSENSITIVE COMPOSITION</b>			
<p>I hereby certify that this <u>Form PCT/IB/308 for PCT/JP03/14507 - 1 Page</u>  <small>(Identify type of correspondence)</small></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C.</p> <p>20231-0001 on <u>May 10, 2005</u>  <small>(Date)</small></p> <div style="text-align: right; margin-top: 20px;"> <u>MARIA T. SANCHEZ</u>  <small>(Typed or Printed Name of Person Mailing Correspondence)</small>    <small>(Signature of Person Mailing Correspondence)</small>  <u>EV 540353486 US</u>  <small>("Express Mail" Mailing Label Number)</small> </div>			
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<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b>		Docket No. 2002JP317	
Applicant(s): Akihiko IGAWA, Atsuko YAMAMOTO			
Serial No. <b>10/534551</b>	Filing Date May 10, 2005	Examiner To Be Assigned	Group Art Unit To Be Assigned
Invention: <b>METHOD OF PATTERN FORMATION USING ULTRAHIGH HEAT RESISTANT POSITIVE PHOTSENSITIVE COMPOSITION</b>			
<p>I hereby certify that this <u>Form PCT/IB/306 for PCT/JP03/14507 - 1 Page</u> (Identify type of correspondence)</p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C.</p> <p>20231-0001 on <u>May 10, 2005</u> (Date)</p> <p><u>MARIA T. SANCHEZ</u> (Typed or Printed Name of Person Mailing Correspondence)</p> <p><u></u> (Signature of Person Mailing Correspondence)</p> <p><u>EV 540353486 US</u> (Express Mail Mailing Label Number)</p>			
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Applicant(s): Akihiko IGAWA, Atsuko YAMAMOTO

Docket No.

2002JP317

Serial No.

Filing Date

Examiner

Group Art Unit

10/534551

May 10, 2005

To Be Assigned

To Be Assigned

Invention: METHOD OF PATTERN FORMATION USING ULTRAHIGH HEAT RESISTANT  
POSITIVE PHOTSENSITIVE COMPOSITION

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(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

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<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b>		Docket No. <b>2002JP317</b>	
Applicant(s): <b>Akihiko IGAWA, Atsuko YAMAMOTO</b>			


Serial No. <b>10/534551</b>	Filing Date <b>May 10, 2005</b>	Examiner To Be Assigned	Group Art Unit To Be Assigned
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Invention: **METHOD OF PATTERN FORMATION USING ULTRAHIGH HEAT RESISTANT POSITIVE PHOTSENSITIVE COMPOSITION**

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*(Date)*

**MARIA T. SANCHEZ**  
*(Typed or Printed Name of Person Mailing Correspondence)*  
  
*(Signature of Person Mailing Correspondence)*

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"Serial No. . <b>10/534551</b> <small>To Be Assigned</small>	Filing Date May 10, 2005	Examiner To Be Assigned	Group Art Unit To Be Assigned
Invention: <b>METHOD OF PATTERN FORMATION USING ULTRAHIGH HEAT RESISTANT POSITIVE PHOTSENSITIVE COMPOSITION</b>			
<p>I hereby certify that this <u>Patent Application - 35 Pages</u>  <small>(Identify type of correspondence)</small></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C.</p> <p>20231-0001 on <u>May 10, 2005</u>  <small>(Date)</small></p> <div style="text-align: right; margin-top: 20px;"> <u>MARIA T. SANCHEZ</u>  <small>(Typed or Printed Name of Person Mailing Correspondence)</small>    <small>(Signature of Person Mailing Correspondence)</small>  <u>EV 540353486 US</u>  <small>("Express Mail" Mailing Label Number)</small> </div> <p style="text-align: center; margin-top: 40px;"> <b>Note: Each paper must have its own certificate of mailing.</b> </p>			



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Docket No.

2002JP317

Serial No.  
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To Be AssignedFiling Date  
May 10, 2005Examiner  
To Be AssignedGroup Art Unit  
To Be AssignedInvention: METHOD OF PATTERN FORMATION USING ULTRAHIGH HEAT RESISTANT  
POSITIVE PHOTSENSITIVE COMPOSITIONI hereby certify that this International Search Report (Form PCT/ISA/210) for PCT/JP03/14507 - 4 Pages  
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Serial No. <b>107534551</b>	Filing Date <b>May 10, 2005</b>	Examiner To Be Assigned	Group Art Unit To Be Assigned
Invention: <b>METHOD OF PATTERN FORMATION USING ULTRAHIGH HEAT RESISTANT POSITIVE PHOTSENSITIVE COMPOSITION</b>			
<p>I hereby certify that this <u><b>Declaration For Utility Or Design Patent Application - 2 Pages</b></u>  <i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C.</p> <p>20231-0001 on <u><b>May 10, 2005</b></u>  <i>(Date)</i></p> <div style="text-align: right; margin-top: 20px;"> <u><b>MARIA T. SANCHEZ</b></u>  <i>(Typed or Printed Name of Person Mailing Correspondence)</i>    <u><i>(Signature of Person Mailing Correspondence)</i></u>  <u><b>EV 540353486 US</b></u>  <i>("Express Mail" Mailing Label Number)</i> </div>			
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